

McPherson Bridge
Spanning Candies Creek at
County Road A165
Eureka Vic., Bradley County
Tennessee

HAER No. TN-4

HAER
TENN,
6 - EURL.V

1-

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

Historic American Engineering Record
National Park Service
Southeast Region
Department of the Interior
Atlanta, Georgia 30303

HISTORIC AMERICAN ENGINEERING RECORD

McPHERSON BRIDGE
HAER TN-4

HAER
TENN
6-EUR.K.V.
1-

Date: 1895

Location: Spanning Candies Creek near Eureka, Tennessee

Built by: New Columbus Bridge Company

Owner: Bradley County, Tennessee

Significance: The McPherson Bridge is 107 feet in length and contains three spans, each a Pratt half-hip pony truss. The spans are relatively short; 41, 46, and 20 feet in length. The out-to-out width of the bridge is 12 feet, with curb-to-curb width measuring 11 feet. The Panel height of the two longer spans of six feet, the height of the shorter truss is four and one half feet. All joints are pin-connected, with threaded pins and bolt caps. The deck is concrete.

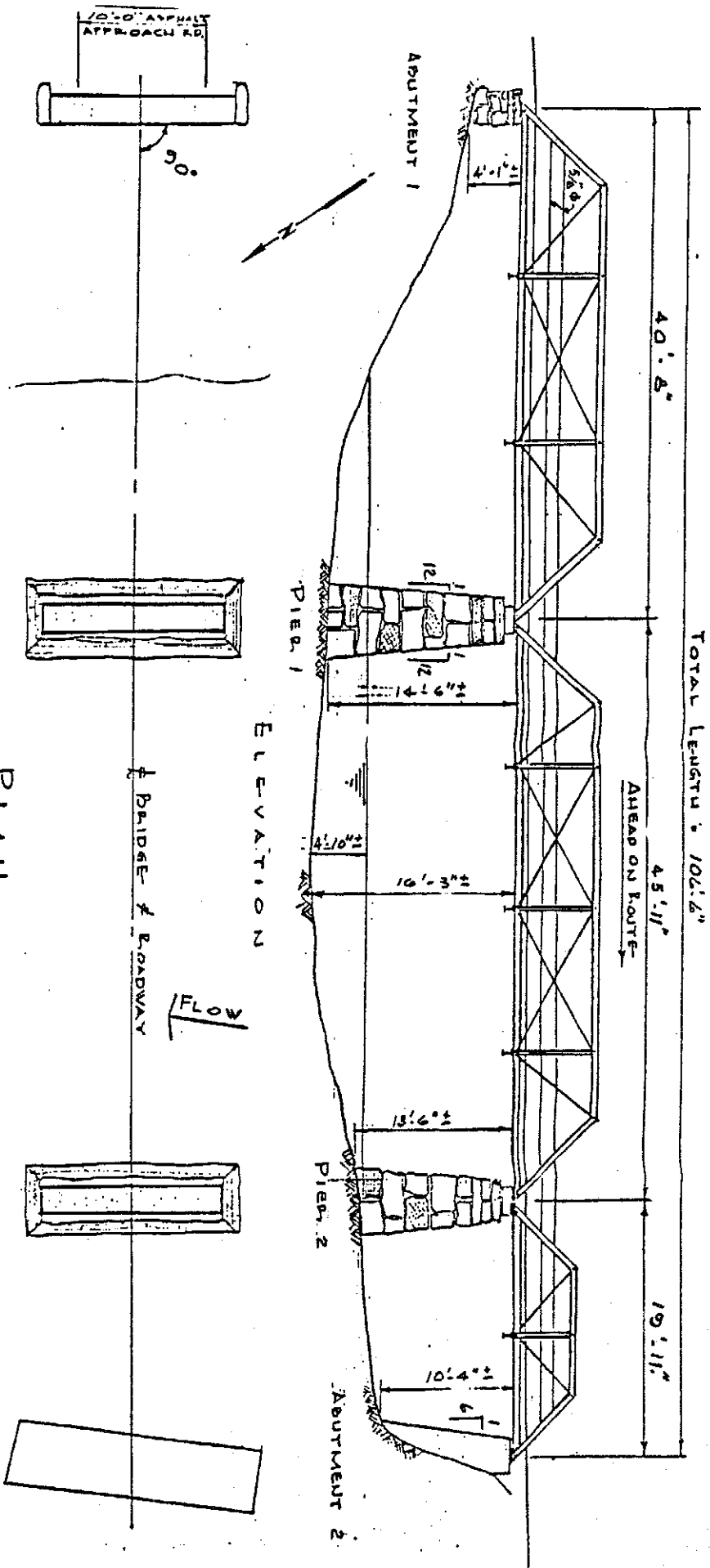
Most features of the bridge are representative of truss bridges. The vertical members are paired angles with double lacing. The counters and diagonals are I-bars or tie-rods. The top chords and end posts are channels with lacing. The bottom chords are double I-bars.

The original substructure was of grouted stone masonry. Most of the original substructure remains; abutment two has been replaced with concrete.

The McPherson Bridge was erected in 1895 for a cost of \$1190 for the superstructure only, by the New Columbus Bridge Company. The company was apparently an outgrowth of the Columbus Bridge Company, which operated in Columbus, Ohio, from about 1885 to 1892, when it went out of business. Around 1894 or 1895, the New Columbus Bridge Company was established. This company went out of business in about 1901, when it was acquired by the American Bridge Company.

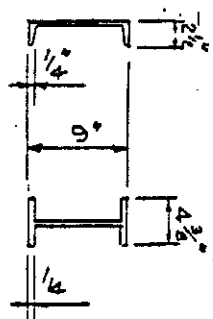
Historian: Martha Carver, 1983

Transmitted by: Monica E. Hawley, Historian, 1984



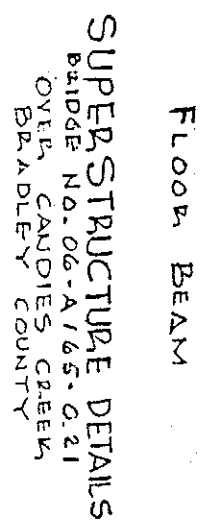
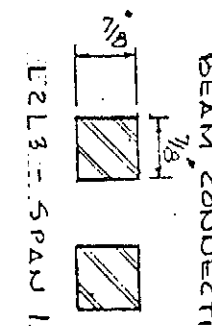
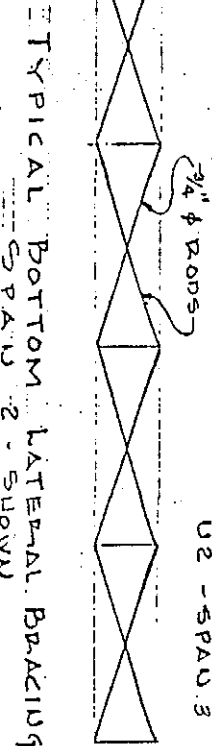
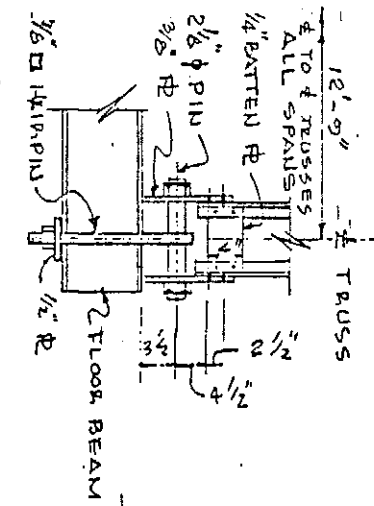
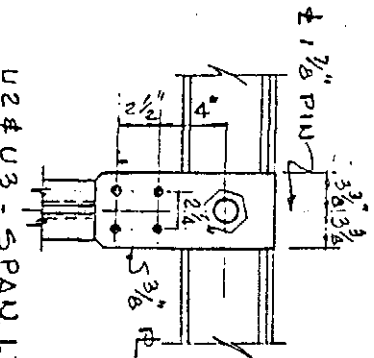
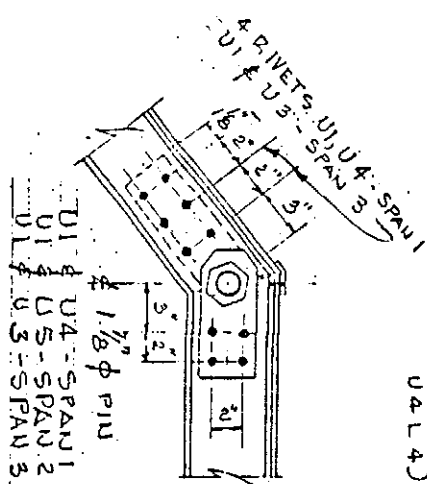
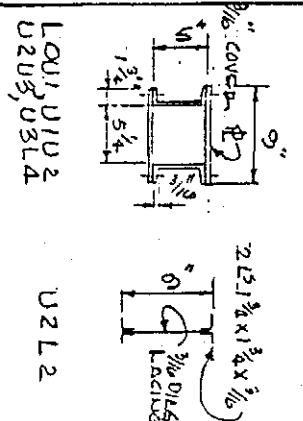
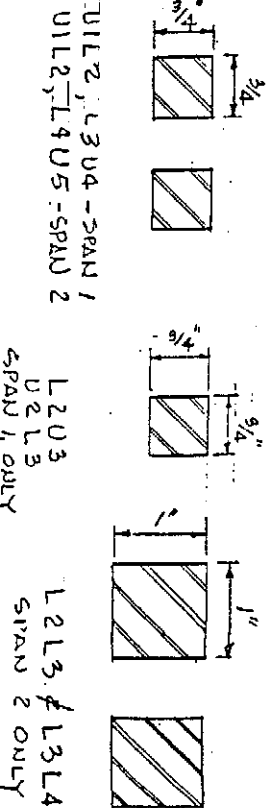
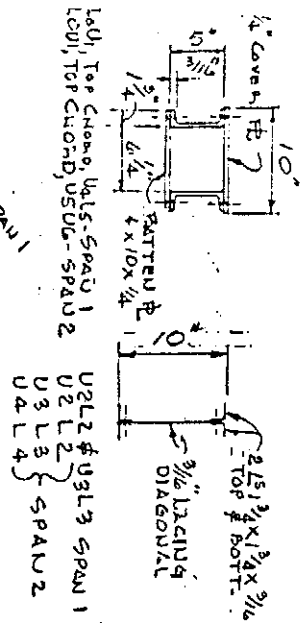
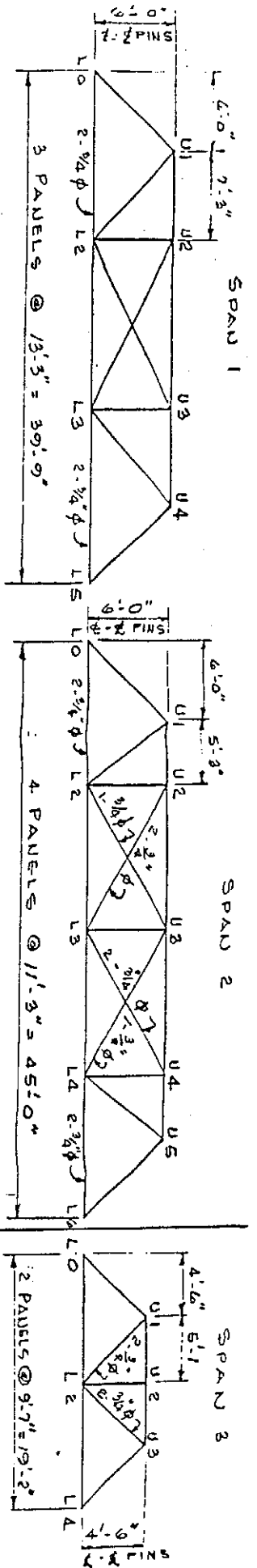
TYPICAL DECK SECTION
(SPANS 1, 2 & 3)

EXTENSION INTERIOR
BEAM DETAILS

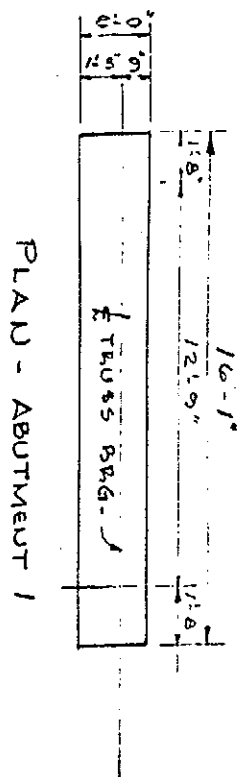


NOTE:
DRAWINGS PREPARED FROM
NOTES TAKEN ON FIELD
INSPECTION APRIL 9, 1980.

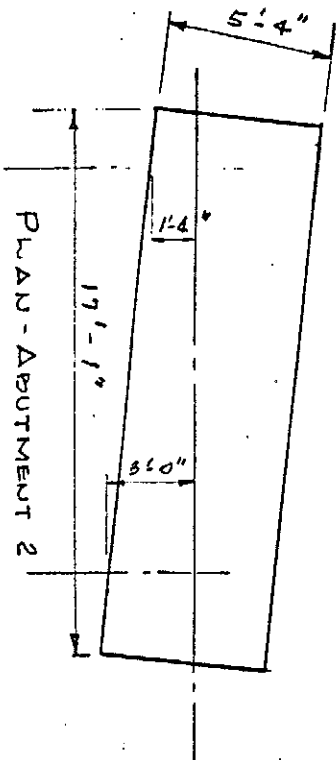
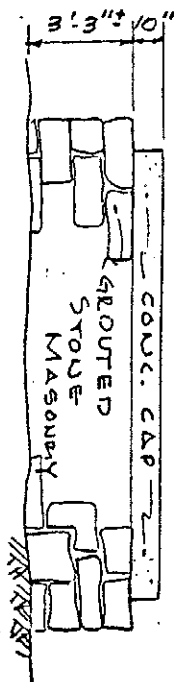
LAYOUT OF BRIDGE
BRIDGE NO. 06-A105-021
OVER CANDLE CREEK
BRADLEY COUNTY



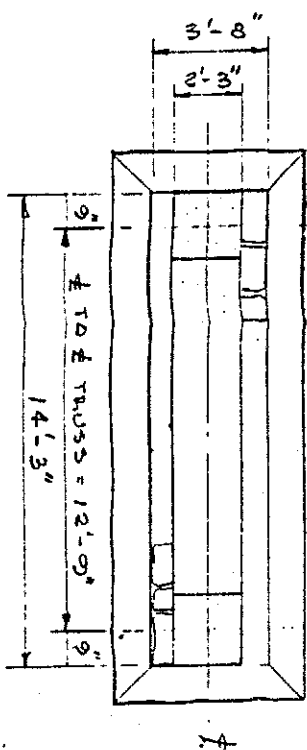
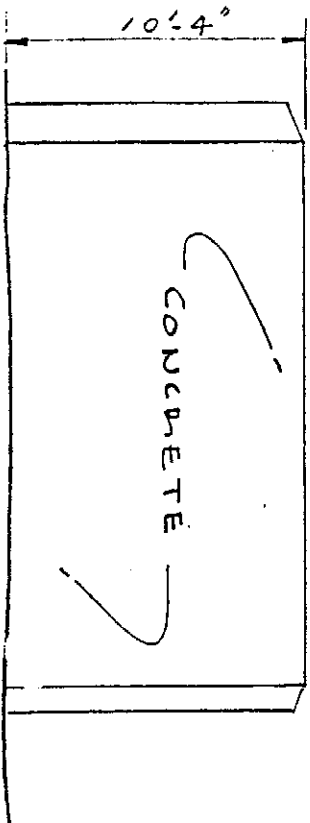
SUPERSTRUCTURE DETAILS
BRIDGE NO. 06-A/65-C.21
OVER CANNON CREEK
BRADLEY COUNTY



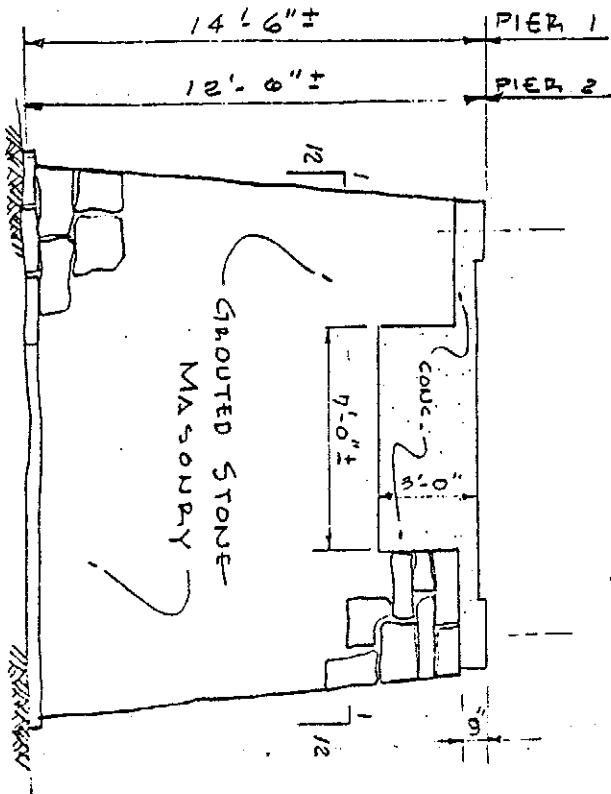
ELEVATION LOOKING BACK



ELEVATION LOOKING AHEAD



PLAN - PIER 1 & 2



SUBSTRUCTURE DETAILS
BRIDGE No. 6-A/65-0.21
OVER CANDLER'S CREEK
BRADLEY COUNTY